SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Vassilios Papadopoulos
Martine Culty

(ii) TITLE OF INVENTION: Peripheral-type Benzodiazepine Receptor: A Tool for Detection, Diagnosis, Prognosis, and Treatment of Cancer

(iii) NUMBER OF SEQUENCES: 3

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Pratt & Associates, Inc.
(B) STREET: 10821 Hillbrooke Lane
(C) CITY: Potomac
(D) STATE: MARYLAND
(E) COUNTRY: USA
(F) ZIP: 20854

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: Apple Macintosh
(C) OPERATING SYSTEM: Macintosh 7.5
(D) SOFTWARE: Microsoft Word 6.0

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: 09/047652
(B) FILING DATE: March 25, 1998

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Sana A. Pratt
(B) REGISTRATION NUMBER: 39,441
(C) REFERENCE/DOCKET NUMBER: 009/116/SAP

(ix) TELECOMMUNICATION INFORMATION
(A) TELEPHONE: (301)294-9171
(B) TELEFAX: (301)294-7357

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 652 base pairs
(B) TYPE: Nucleic acid
(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CCACGGCGAA GGTCTCCGCT GGTACGCCGG CCTGCAGAAG 40
CCCTCGTGGC ACCCGCCCCA CTGGGTGCTG GGCCCTGTCT 80
GGGGCACGCT CTACTCAGCC ATGGGGTACG GCTCCTACCT 120
GGTCTGGAAA GAGCTGGGAG GCTTCACAGA GAAGGCTGTG 160
GTTCCCCTGG GCCTCTACAC TGGGCAGCTG GCCCTGAACT 200
GGGCATGGCC CCCCATCTTC TTTGGTGCCC GACAAATGGG 240
CTGGGCCTTG GTGGATCTCC TGCTGGTCAG TGGGGCGGCG 280
GCAGCCACTA CCGTGGCCTG GTACCAGGTG AGCCCGCTGG 320
CCGCCCGCCT GCTCTACCCC TACCTGGCCT GGCTGGCCTT 360
CACGACCACA CTCAACTACT GCGTATGGCG GGACAACCAT 400
GGCTGGCGTG GGGGACGGCG GCTGCCAGAG TGAGTGCCCG 440
GCCCACCAGG GACTGCAGCT GCACCAGCAG GTGCCATCAC 480
GCTTGTGATG TGGTGGCCGT CACGCTTTCA TGACCACTGG 520
GCCTGCTAGT CTGTCAGGGC CTTGGCCCAG GGGTCAGCAG 560
AGCTTCAGAG GTGGCCCCAC CTGAGCCCCC ACCCGGGAGC 600
AGTGTCCTGT GCTTTCTGCA TGCTTAGAGC ATGTTCTTGG 640
AACATGGAAT TT 652

(3) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 652 base pairs
(B) TYPE: Nucleic acid
(C) STRANDEDNESS: Single
(D) TOPOLOGY: Linear

(ii) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CCACGGCGAG GGTCTCCGCT GGTACGCCGG CCTGCAGAAG 40

CCCTCGTGGC ACCCGCCCCA CTGGGTGCTG GGCCCTGTCT 80

GGGGCACGCT CTACTCAGCC ATGGGGTACG GCTCCTACCT 120

GGTCTGGAAA GAGCTGGGAG GCTTCACAGA GAAGGCTGTG 160

GTTCCCCTGG GCCTCTACAC TGGGCAGCTG GCCCTGAACT 200

GGGCATGGCC CCCCATCTTC TTTGGTGCCC GACAAATGGG 240

CTGGGCCTTG GTGGATCTCC TGCTGGTCAG TGGGGCGGCG 280

GCAGCCACTA CCGTGGCCTG GTACCAGGTG AGCCCGCTGG 320

CCGCCCGCCT GCTCTACCCC TACCTGGCCT GGCTGGCCTT 360

CACGACCACA CTCAACTACT GCGTATGGCG GGACAACCAT 400

GGCTGGCGTG GGGGACGGCG GCTGCCAGAG TGAGTGCCCG 440

GCCCACCAGG GACTGCAGCT GCACCAGCAG GTGCCATCAC 480

GCTTGTGATG TGGTGGCCGT CACGCTTTCA TGACCACTGG 520

GCCTGCTAGT CTGTCAGGGC CTTGGCCCAG GGGTCAGCAG 560

AGCTTCAGAG GTGGCCCCAC CTGAGCCCCC ACCCGGGAGC 600

AGTGTCCTGT GCTTTCTGCA TGCTTAGAGC ATGTTCTTGG 640

AACATGGAAT TT 652

(4) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 169 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: Linear

(ii) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
15 20

Xaa Xaa Xaa Xaa Xaa Xaa His Gly Glu Gly
25 30

Leu Arg Trp Tyr Ala Gly Leu Gln Lys Pro

35 40

Ser Trp His Pro Pro His Trp Val Leu Gly
45 50

Pro Val Trp Gly Thr Leu Tyr Ser Ala Met
55 60

Gly Tyr Gly Ser Tyr Leu Val Trp Lys Glu
65 70

Leu Gly Gly Phe Thr Glu Lys Ala Val Val
75 80

Pro Leu Gly Leu Tyr Thr Gly Gln Leu Ala
85 90

Leu Asn Trp Ala Trp Pro Pro Ile Phe Phe
95 100

Gly Ala Arg Gln Met Gly Trp Ala Leu Val
105 110

Asp Leu Leu Leu Val Ser Gly Ala Ala Ala
115 120

Ala Thr Thr Val Ala Trp Tyr Gln Val Ser
125 130

Pro Leu Ala Ala Arg Leu Leu Tyr Pro Tyr
135 140

Leu Ala Trp Leu Ala Phe Thr Thr Thr Leu
145 150

Asn Tyr Cys Val Trp Arg Asp Asn His Gly
155 160

Trp Arg Gly Gly Arg Arg Leu Pro Glu
165